

**SUMMARY OF  
AVIATION BASIC ELECTRONICS CLASSROOM (AT)**

**APRIL 1999**

**Device 6B40**

**NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION**

**ORLANDO, FLORIDA**



**TRAINING CATEGORY:**

**AVIATION**

**ORIGINATING AGENCY:**

**CNO/AIR**

**SECURITY CLASSIFICATION OF  
DEVICE:**

**Device 6B40 is unclassified.**

**PURPOSE OF DEVICE:**

**Provide enlisted Navy and Marine Corps  
personnel with training in basic aviation  
fundamentals and electronics.**

**INTENDED USE:**

The purpose of the training device is to provide Enlisted Navy and Marine Corps personnel with training in aviation basic electricity, and electronics in an electronic classroom environment. The training provided will be the prerequisite for completion of Avionics Technician (AT) Class "A" school.

**FUNCTIONAL DESCRIPTION:**

Device 6B40 Serial Numbers 001-10 are installed in rooms, 2223, 2222, 2221, 2220, 2218, 2217, 2216, 2114, 2124, and 2113 on the second floor in sections A,B,C,D,E, and F. Building 3460 at NATTC Pensacola, FL N63093

The classrooms have an Instructor Operator Station (IOS), a Student Station (SS), and a

Classroom Presentation System (CPS) networked together enabling the presentation of training to 26 students.

The IOS consists of a CPU, two (2) video monitors, visual presenter, LaserJet printer, Video Cassette Recorder/player (VCR), a *Reply*® Cordless Response System transceiver, and an Uninterruptable Power Supply (UPS). The Station is networked to the CPS. The IOS is the master station from which the instructor has full curriculum control. The IOS software also has the ability to monitor individual student progress and maintain student records.

The SS consists of a handheld cordless *Reply*® keypad. The instructor presents lessons in an instructor-led Interactive Courseware (ICW) mode, or in the Computer Aided Instruction mode. During the presentation the instructor prompts the students for responses to questions to verify their comprehension of the material being taught. The students key in a response and the IOS receiver and software collate and show the instructor the response data for an individual student, or class.

The CPS is a projector with audio capability operated by a remote mouse. The equipment is interfaced with the IOS allowing the instructor to project courseware on the screen for all students to view.

The 6B40 classroom is networked using a Local Area Network (LAN) that is interfaced to the NATTC Wide Area Network (WAN) within the training complex. The 6B40 utilizes servers located within server farm RM 2219 for information storage and retrieval.

#### **PHYSICAL INFORMATION:**

The 6B40 is designed to fit within the assigned rooms being used as classrooms. The modular nature of the device allows flexibility in classroom orientation.

#### **EQUIPMENT REQUIRED (Not Supplied):**

None

#### **INSTALLATION REQUIREMENTS**

Use of Commercial Off The Shelf (COTS) free standing components negates any special

Heating Ventilation Air conditioning (HVAC) requirements. Floor loading is 1917.3 lbs.

#### **POWER REQUIREMENTS:**

115/240 Vac, 3 wire, 50-60Hz, single phase

#### **PUBLICATIONS FURNISHED:**

Maintenance Instructions, Device 6B40, NAWCTSD P-8079 (U)

COTS Manuals, Device 6B40, NAWCTSD P-8080 (U)

Maintenance Requirements Cards, Device 6B40, NAWCTSD P-8081 (U)

Training System Utilization Handbook, Device 6B40, NAWCTSD P-8082 (U)

#### **PERSONNEL:**

Instructor – One rate qualified Navy Enlisted person.

Trainees – From 1 to 26 Aviation Electronics “A” school students.

Maintenance Personnel – Qualified Navy or COMS personnel, quantities determined by contract.

#### **CONTRACT IDENTIFICATION:**

Manufactured by JIL Information Systems Inc., Orlando, Florida, under NAWCTSD Contract No. N61339-98-C-0039

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